

USDA Foreign Agricultural Service

GAIN Report

Global Agricultural Information Network

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Korea - Republic of

Post: Seoul

2013 Rice Production Update

Report Categories:

Grain and Feed

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Report Highlights:

Korea's rice production in 2013 is revised slightly downward to 4.23 million tons from the initial Korean government's estimate of 4.24 million tons. This revised production estimate still represents a increase of 5.6 percent over last year. The increase in production is due largely to favorable weather since September despite unfavorable weather through August coupled with a steady decline in acreage planted, the lowest since 1980.

General Information:

On November 15, 2013, Statistics Korea (KOSTAT) released its revised 2013 rice production estimate of 4,230,011 metric tons, a slight decrease from the previous PSD update ([KS1348](#)). Despite the lower estimate, it still represents an increase of 5.6 percent from last year due in large part to favorable weather during the latter part of the growing period in tandem with fewer than normal natural disasters such as typhoons. The PSD has been revised accordingly.

Korea: Rice Area, Yield and Production			
Crop Year	Area (1,00HA)	Yield (KG/HA)	Production (Milled, 1,000 MT)
2005	980	4,900	4,768
2006	955	4,890	4,680
2007	950	4,640	4,408
2008	936	5,180	4,843
2009	924	5,318	4,916
2010	892	4,820	4,295
2011	854	4,946	4,224
2012	849	4,718	4,006
2013	833	5,081	4,230

Source: Ministry for Agriculture, Food, and Rural Affairs (MAFRA)

Korea: 2013 Rice Area, Yield and Production			
Type of Rice Land	Area	Yield (KG/HA)	Production (Milled, MT)
Paddy Rice	831,355	5,080	4,227,359
Upland Rice	1,207	2,089	2,653
Total	832,562	5,081	4,230,011

Source: Ministry for Agriculture, Food, and Rural Affairs (MAFRA)

Korea: Rice Area and Production Estimate per Province (November 15 Crop Survey Basis)						
Crop Year	Area (Hectare)			Production (Metric ton)		
	2012	2013	Change (%)	2012	2013	Change (%)
National Total	849,172	832,625	-1.9	4,006,185	4,230,011	5.6
Kyonggi	90,824	88,949	-2.1	420,844	407,258	-3.2
Kangwon	34,806	33,968	-2.4	163,739	159,030	-2.9
Chungbuk	43,254	42,893	-0.8	212,748	220,383	3.6
Chungnam	153,091	151,814	-0.8	783,501	823,526	5.1
Chonbuk	130,351	126,799	-2.7	622,181	680,501	9.4
Chonnam	173,283	170,690	-1.5	700,405	822,795	17.5
Kyounbuk	111,505	108,501	-2.7	563,960	572,207	1.5
Kyongnam	80,002	77,732	-2.8	385,615	392,561	1.8
Cheju	522	302	-42.1	1,017	858	-15.6
Cities ^{1/}	31,534	30,977	-1.8	152,176	150,893	-0.8

Source: Statistics Korea (KOSTAT)

1/ paddy land located in seven big cities such as Seoul, Pusan etc.

Applicable Milling Rate from Brown Rice to Milled Rice:

Based on the outcome of an industry survey on November 2011, the Ministry of Food, Agriculture, Forestry & Fisheries acknowledged that the current average milling rate (paddy to milled) is too high and is considering to lower it from 74

percent to 72 percent to reflect current production practices. Local processors have reportedly polished rice to a greater degree in response to consumer demand for well-milled high quality rice. As shown in the table below, milling is said to have climbed from 9 to 12 degrees. The higher you go up the 12 degree spectrum, the whiter the rice. The shelling rate to brown rice from paddy rice remains unchanged at 80 percent.

Korea: Milling Rate to Milled Rice from Paddy Rice (Percent)							
Degree(s)	1	2	5	7	9 ^{a/}	10	12 ^{b/}
% of Brown Rice Removed	0.8	1.6	4.0	5.6	7.2	8.0	9.6
% of Milled Rice Remaining	99.2	98.4	96.0	94.4	92.9	92.0	90.4
% of Shelling Rate	80	80	80	80	80	80	80
% of Milling Rate	79.36	78.72	76.80	75.52	74.32	73.60	72.32

Source: Statistics Korea (KOSTAT)

a/ milling rate applicable to date

b/ milling rate to be revised in the future

The Korean government released rice production statistics that show a comparison of milled rice production based on milling rates of 9 degrees and 12 degrees as below. The change in milling rates will result in a production decrease on average of about 2-3 percent. However, as MAFRA maintains its official data series based on 9 degrees, PSD milling rate figures follow it.

Korea: Rice Production Comparison per Milling Rate (1,000 MT, .9999)						
Crop Year	Area (1,000 HA)	Rough Rice	Based on 9 Degrees		Based on 12 Degrees	
			Milled Rice	Milling Rate	Milled Rice	Milling Rate
1995	1,056	6,389	4,694	7,347	4,568	7,150
1996	1,050	7,123	5,323	7,473	5,179	7,271
1997	1,052	7,315	5,449	7,449	5,302	7,248
1998	1,059	6,790	5,097	7,507	4,959	7,303
1999	1,066	7,066	5,263	7,448	5,121	7,247
2000	1,072	7,197	5,291	7,352	5,148	7,153
2001	1,083	7,407	5,515	7,446	5,366	7,244
2002	1,053	6,687	4,927	7,368	4,794	7,169
2003	1,016	6,151	4,451	7,236	4,331	7,041
2004	1,001	6,737	5,000	7,422	4,865	7,221
2005	980	6,435	4,768	7,409	4,640	7,211
2006	955	6,305	4,680	7,423	4,554	7,223
2007	950	5,962	4,408	7,393	4,289	7,194
2008	936	6,468	4,843	7,488	4,712	7,285
2009	924	6,502	4,916	7,561	4,787	7,362
2010	892	5,811	4,295	7,391	4,180	7,193
2011	854	5,616	4,224	7,521	4,110	7,318
2012	849	5,405	4,006	7,412	3,898	7,212
2013	833	5,632	4,230	7,511	4,116	7,308

Source: Statistics Korea (KOSTAT)

Rice, Milled Republic of Korea,	2011/2012		2012/2013		2013/2014	
	Market Year Begin: Nov 2011		Market Year Begin: Nov 2012		Market Year Begin: May 2013	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested	854	854	849	849	833	833
Beginning Stocks	1,034	1,034	730	730	722	722

(1000 HA)

(1000 MT)

Milled Production	4,224	4,224	4,006	4,006	4,240	4,230	(1000 MT)
Rough Production	5,616	5,616	5,405	5,405	5,720	5,632	(1000 MT)
Milling Rate (.9999)	7,522	7,522	7,412	7,412	7,412	7,511	(1000 MT)
MY Imports	380	380	600	600	410	410	(1000 MT)
TY Imports	238	238	640	640	410	410	(1000 MT)
TY Imp. from U.S.	70	63	0	200	0	140	(1000 MT)
Total Supply	5,638	5,638	5,336	5,336	5,372	5,362	(1000 MT)
MY Exports	3	3	2	2	2	2	(1000 MT)
TY Exports	2	2	2	2	2		(1000 MT)
Consumption and Residual	4,905	4,905	4,612	4,612	4,497	4,497	(1000 MT)
Ending Stocks	730	730	722	722	873	863	(1000 MT)
Total Distribution	5,638	5,638	5,336	5,336	5,372	5,362	(1000 MT)
Yield (Rough)	7.	6.5761	6.	6.3663	7.	6.7611	(MT/HA)
TS=TD		0		0		0	